



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application of:  
Scott D. Willingham

Serial No.: 10/673,905

Filed: September 29, 2003

For: RECEIVER INCLUDING AN  
OSCILLATION CIRCUIT FOR  
GENERATING AN IMAGE  
REJECTION CALIBRATION TONE

Group Art Unit: 2631  
Examiner: Unknown

Atty. Dkt. No.: 5797-00100

I hereby certify that this correspondence is being deposited  
with the U.S. Postal Service as First Class Mail in an envelope  
addressed to: Commissioner for Patents, P.O. Box 1450,  
Alexandria, VA 22313-1450, on the date indicated below:

B. Noël Kivlin  
Registered Representative

5-12-06  
Date Signature

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

- ☒ Applicant requests consideration of the references listed on the attached Form PTO-1449 and/or the additional information identified below in paragraph 3.
- ☒ Pursuant to CFR §1.98(a)(2)(i), copies of the cited U.S. patents and/or U.S. patent application publications are not enclosed.
- ☒ A copy of each non-U.S. patent and/or non-U.S. patent application publication reference listed on the Form PTO-1449 is enclosed.
- ☐ The non-U.S. patent and/or non-U.S. patent application publication references listed on the Form PTO-1449 were previously cited in application serial no. \_\_\_\_\_ to which the captioned application is seeking priority under 35 U.S.C. §120; therefore, a copy of each reference is not enclosed.

1. This Information Disclosure Statement is submitted:

- a. ☐ within 3 months of the filing date of a national application other than a continued prosecution application under § 1.53(d);
- ☐ within 3 months of the date of entry of the national stage as set forth in § 1.491 in an International application;
- ☒ before the mailing date of a first Office Action on the merits; or

- ☐ before the mailing of a first Office Action after the filing of a request for continued examination under § 1.114.
- b. ☐ after the events of above paragraph 1a and prior to the mailing date of a final Office Action or Notice of Allowance, and thus: ☐ the certification of paragraph 2 below is provided, or ☐ a fee of \$180.00 is enclosed.
- c. ☐ after the mailing date of a final Office Action or a Notice of Allowance and prior to payment of the issue fee, and thus: the certification of paragraph 2 below is provided and a fee of \$180.00 is enclosed.
2. It is hereby certified:
- ☐ that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or
- ☐ that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in § 1.56 (c) more than three months prior to the filing of the Statement.
3. ☐ Consideration of the following additional information (including any co-pending or abandoned U.S. applications, prior uses and/or sales, etc.) is requested:
4. For each non-English language reference listed on the attached Form PTO-1449:
- ☐ reference is made to an English language translation submitted herewith, and/or
- ☐ reference is made to a foreign patent office search report (in the English language) submitted herewith, and/or
- ☐ reference is made to an English language translation of a foreign patent office search report submitted herewith, and/or
- ☐ reference is made to the concise explanation contained in the specification of the present application at page(s) \_\_\_\_\_, and/or
- ☐ reference is made to the concise explanation set forth below:
5. ☐ Applicant also offers the following comments for the Examiner's consideration:
6. ☐ Also enclosed is a copy of a foreign search report citing these references.

7. ☐ The listed documents were brought to the attention of the Applicant(s) after payment of the issue fee in the captioned case. The documents were cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. Applicant(s) request this Information Disclosure Statement and attached Form PTO-1449 be placed in the file of the captioned application.
8. ☐ Applicant(s) requests that the Information Disclosure Statement and attached Form PTO-1449 and references, which are being filed before the grant of the patent and pursuant to 37 C.F.R. § 1.97(i), be placed in the file of the captioned application.

If any required fees are missing, the Commissioner is authorized to charge said fees to Meyertons, Hood, Kivlin, Kowert & Goetzel, P.C. Deposit Account No. 501505/5797-00100/BNK.

Respectfully submitted,



B. Noël Kivlin  
Reg. No. 33,929  
Attorney for Applicant(s)

MEYERTONS, HOOD, KIVLIN,  
KOWERT & GOETZEL, P.C.  
P. O. Box 398  
Austin, Texas 78767  
(512) 853-8800  
Date: 5-12-06

**Form PTO-1449** (modified)  
List of Patents and Publications  
For Applicant's Information  
Disclosure Statement  
(Use several sheets if necessary)

ATTY. DKT. NO. 5797-00100

SERIAL NO.: 10/673,905

APPLICANT: Scott D. Willingham

GROUP: 2631

FILING DATE: September 29, 2003

**U.S. PATENT DOCUMENTS**

EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	B1	7,035,341	04-25-2006	Mohindra			

**FOREIGN PATENT DOCUMENTS**

EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO

**OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

	B2	"Adaptive IQ Mismatch Cancellation for Quadrature IF Receivers", Mikhael, et al; Technical Report, University of Central Florida, 2001; <a href="http://www.cnel.ufl.edu/~pravin/iq.pdf">http://www.cnel.ufl.edu/~pravin/iq.pdf</a>
	B3	"Circuits and Algorithms for Wireless Communications", Messerschmitt, et al; Technical Report, University of Central Florida; <a href="http://www.ucop.edu/research/micro/00_01/00_066.pdf">http://www.ucop.edu/research/micro/00_01/00_066.pdf</a>
	B4	"Algorithms and Components for Data Transmission and Video Encoding", Gray, et al; Final Report 1997-1998, <a href="http://www.ucop.edu/research/micro/96_97/96_015.pdf">http://www.ucop.edu/research/micro/96_97/96_015.pdf</a>
	B5	"A Self-Adapting RF CMOS Image-Rejection Mixer", Rudell, et al, Technical Report, 8/13/03.
	B6	"Reduced Filter Requirements Using an Ultra Low Noise Modulator", <u>Microwave Journal</u> , Vol. 44, No. 1, Norwood, MA, January 2001.

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the patent owner.